

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 57-027130

(43)Date of publication of application : 13.02.1982

(51)Int.Cl.

B01J 20/20
B01D 39/20
B01J 20/28
B01J 21/18
B01J 35/04
C01B 31/08
C04B 35/52

(21)Application number : 55-103814

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(22)Date of filing : 28.07.1980

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(54) PRODUCTION OF HONEYCOMB LIKE FORMED BODY OF ACTIVATED CARBON

(57)Abstract:

PURPOSE: To produce a honeycomb formed body of an activated carbon precisely by kneading cut fibers of a thermosetting resin having a ratio of the fiber length to the diameter which is equal to or below a specific value with a thermosetting binder and forming this mixture into a honeycomb like shape, then, drying it, and activating it by heating after carbonized in a nonoxidizing atmosphere.

CONSTITUTION: Into thermosetting cut fibers having ≤ 80 ratio of the fiber length to the diameter, a thermosetting binder is added and kneaded, and this mixture is extended into a honeycomb shape. For the thermosetting resin, a resin of a phenol type, or a furan type, or a xylene-formaldehyde type or the like is used, and for the thermosetting binder, an adhesive agent of a phenol resin, or a melamine resin, or a formaldehyde resin or the like is used. After this honeycomb formed body is dried, this body is carbonized in a nonoxidizing atmosphere at about 500W1, 100°C, then activated in an oxidizing atmosphere by the conventional method.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other
than the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

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